

U-Series Splice Cassettes

Our modular splice cassettes are ideal for dynamic, ever-changing infrastructures. This solution not only facilitates faster field splicing but also enables seamless Moves, Adds, and Changes (MACs) while allowing you to work away from the rack. Premium pre-loaded assemblies provide optimal optic performance across a 12 LC port (24 fiber) or 6 LC/SC port (12 fiber) interface.

Features

Pre-Loaded and Pre-Routed Pigtails

- Single fiber easy-strip pigtails can be spliced to loose-tube, tight buffered, or micro cables
- Ribbon can be mass fusion spliced to SpiderWeb® Ribbon, ISP, ISP/OSP cables, and other ribbon fiber cables

High-Density

- Up to 12 LC ports (24 fibers) with LC
- Single fiber or ribbon fiber mass fusion splicing

Shuttered LC Adapters (only available in 24F LC format)

- Greener solution by eliminating adapter dust caps
- Provide automatic laser eye safety
- Easy fault detection
- Facilitate faster patching

Facilitates Moves, Adds, and Changes

- Cassettes can be locked in a parked or maintenance position for simplified patching

Applications

- Data Center
- Campus
- Central Office
- Office Backbone



Specifications

	Single Fiber Splice Cassette	Ribbon Fiber Mass Fusion Splice Cassette
Fiber Types	SM, OM4	SM
Fiber Counts Available	12, 24 Fiber (LC) 12 Fiber (SC)	12, 24 Fiber (LC)
Adapter Types	LC, LCA, SC, SCA	LC
Cassette Material	ABS, CR4 Steel	ABS, CR4 Steel
Cassette Color	Black	Black
Cassette Dimensions	Height: 86mm (3.4 inches) Width: 30mm (1.2 inches) Depth: 186mm (7.3 inches)	Height: 86mm (3.4 inches) Width: 30mm (1.2 inches) Depth: 186mm (7.3 inches)
Package Dimensions	Height: 120mm (4.7 inches) Width: 38mm (1.5 inches) Depth: 245mm (9.6 inches)	Height: 120mm (4.7 inches) Width: 38mm (1.5 inches) Depth: 245mm (9.6 inches)
Weight	Product weight: 0.23kg Package weight: 0.33kg	Product weight: 0.23kg Package weight: 0.33kg
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0	RoHS, Reach/SVHC, UL 94V-0
Suggested Splice Protectors	45mm Splice Protector, 3mm Diameter	FUJIKURA FP-05 Splice Protector Up to 12 Fibers 40/10mm
Gland entry/gland supplied and cable OD	M12 Gland for 3-6.8mm cable	M12 Gland for 3-6.8mm cable

Optical Performance

Connector Mating	Insertion Loss Average	Insertion Loss Max	Return Loss
LC Premium Low Loss (MM)	0.08 dB	0.15 dB	NA
LC Premium Low Loss (SM)	0.12 dB	0.15 dB	≤-60 dB

Fiber Performance

Fiber Type (ISO/IEC 11801)	SM (OS1/OS2)	OM4
Attenuation Coefficient	≤0.38 Max (1300nm) ≤0.25 Max (1550nm) ≤0.34 Typ (1300nm) ≤0.19 Typ (1550nm)	<3.5 Max (850nm) <1.5 Max (1300nm) <2.7 Typ (850nm) <0.9 Typ (1300nm)
Minimum bandwidth: Overfilled launch (Mhz-km)	N/A	≥3500 (850nm) ≥500 (1300nm)
Minimum bandwidth: Laser Effective Modal Bandwidth (Mhz-km)	N/A	OM3: ≥2000 (850nm) OM4: ≥4700 (850nm)

Ordering Information

	Description	Part Number
Single Fiber Pigtail Cassettes	AFL U-Series Splice Cassette Clear Lid BK Premium LC MM OM4 12F (EZ Pigtails)	A4UD12BPAX-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium SC MM OM4 12F (EZ Pigtails)	A4UD12BPDx-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium LC SM G.657A1 12F (EZ Pigtails)	A7UD12BPAX-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium LCA SM G.657A1 12F (EZ Pigtails)	A7UD12BPBX-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium SC SM G.657A1 12F (EZ Pigtails)	A7UD12BPDx-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium SCA SM G.657A1 12F (EZ Pigtails)	A7UD12BPEX-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium LC MM OM4 24F (EZ Pigtails)	A4UD24BPAX-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium LC SM G.657A1 24F (EZ Pigtails)	A7UD24BPAX-11AK
	AFL U-Series Splice Cassette Clear Lid BK Premium LCA SM G.657A1 24F (EZ Pigtails)	A7UD24BPBX-11AK
Ribbon Fiber Pigtail Cassettes	AFL U-Series Splice Cassette Clear Lid BK Premium LC SM G.657A1 12F (Ribbon Pigtails)	A7UD12BPAX-11AL
	AFL U-Series Splice Cassette Clear Lid BK Premium LC SM G.657A1 24F (Ribbon Pigtails)	A7UD24BPAX-11AL